

Application Number 10/772,537
Art Unit 1639

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In the Claims:

Pursuant to Examiner's objections to the amino acid identifications according to the Sequence rules and further to the restriction/ election requirement, Applicant hereby respectfully cancels previously presented claims 12 through 14, amends claims 11 and 15 and submits the following new claims:

Claims 1 through 10 and 12 through 14 (Cancelled).

11. (Currently Amended) A compound for the treatment of colon and prostate cancer selected from the group consisting of polypeptides having amino acid sequences of ~~H-T-F-S-G-V-A-S-V-E, H-T-F-M-G-V-V-S-L-G, H-A-F-S-P-V-A-S-V-E, H-S-F-S-G-V-A-S-V-E~~, His Thr Phe Ser Gly Val Ala Ser Val Glu, His Thr Phe Met Gly Val Val Ser Leu Gly, His Ala Phe Ser Pro Val Ala Ser Val Glu, His Ser Phe Ser Gly Val Ala Ser Val Glu, and analogs thereof.

15. (Currently Amended) A fetuin polypeptide comprising an amino acid sequence of ~~H-S-F-S-G-V-A-S-V-E~~ His Ser Phe Ser Gly Val Ala Ser Val Glu, wherein said polypeptide causes apoptosis in colon and prostate cancer cells.

16. (New) A compound for the treatment of colon and prostate cancer consisting of a fetuin polypeptide comprising an amino acid sequence of His X01 Phe Ser X02 Val Ala Ser Val Glu, wherein X01 and X02 are each independently any amino acid and wherein said polypeptide causes apoptosis in colon and prostate cancer cells.

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17. (New) The compound of Claim 16 wherein said sequence is His Thr Phe Ser Gly
Val Ala Ser Val Glu.

18. (New) The compound of Claim 16 wherein said sequence is His Ala Phe Ser Pro
Val Ala Ser Val Glu.

19. (New) The compound of claim 16 wherein said sequence is His Ser Phe Ser Gly
Val Ala Ser Val Glu.